Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL	ENGINE FAMILY	ENGINE	FUEL TYPE	STANDARDS & TEST	INTENDED SERVICE	ECS & SPECIAL FEATURES 3	IDLING EMISSIONS
YEAR	CHOILT FAME	SiZES (L)		PROCEDURE	CLASS 2	DDI, TC(2), CAC, ECM, EGR, OC,	CONTROL 5
2008	8DDXH07.2DJC	7.2	Dieset	Diesel	MHDD	РТОХ	ESS
ENGINE (L)		ENGINE MODEL	S/CODES (rate	d power, in h	ip)	
7.2			See attachment	for engine mo	dels and rat	tings	
*				ŧ			
*				*			
*				*		**	
L=liter; hp: CNG/LI	=horsepower; kw=kilowatt; hi VG=compressed/liquefied natu	r=hour; ral gas; LPG=liquef	-	_	·	86.abc=Title 40, Code of Federal Regulations, So bi fuel; DF=dual fuel; FF=flexible fuel;	ection 86.abc;
up catalyst; TBI=throttle super charg control mod ESS=er	DPF=diesel particulate filter; body fuel injection; SFIMFI= per; CAC=charge air cooler; I lule; EM=engine modification; gine shutdown system (per 13 56.8(a)(6)(B) or for CNG/LNG	PTOX=periodic trap sequential/multi port EGR / EGR-C=exhau 2 (prefix)=parallel; 3 CCR 1956.8(a)(6)(/	oxidizer; HO2S/O2S=heated/oxyg fuel injection; DGI=direct gasoline st gas recirculation / cooled EGR; (2) (suffix)=in series;	en sensor; HAFS/ injection; GCARB PAIR/AIR=pulsed/ R 1956.8(a)(6)(C);	AFS=heated/ai =gaseous carb secondary air ir	ive catalytic reduction urea / ammonia; WU (; ir-fuel-ratio sensor (a.k.a., universal or linear oxyguretor; IDWDDI=indirect/direct dieset injection; TC ipection; SPL=smoke puff limiter; ECMPCM=engive method (per 13 CCR 1956.8(a)(6)(D); Exemption	en sensor); C/SC=turbo/ pine/powertrain

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956,8; 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavyduty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.8 are in parentheses.).

in	NM	HC	N	Ох	NMH	C+NQx	C	:0	P	М	н	СНО
g/bhp-hr	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	0.14	*	*	*	*	15.5	15.5	0.01	0.01	*	+
FEL	+	*	1.16	1.16	1.3	1.3	*	*	*	*	*	
CERT	0.01	0.000	1.10	0.82	1.1	0.8	0.1	0.02	0.002	0.004	*	*
NTE	0.	21	1.	74	2	2.0	19	9.4	0.	02		*

g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cycle, including RMCSET=ram mode cycle supplemental emissions testing; NTE=Not-to-Exceed; STD=standard or emission test cap; FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde;

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: Except in vehicle applications exempted per 13 CCR 1956.8(a)(6)(B), engines in this engine family, as applicable:

- certified under 13 CCR 1956.8(a)(6)(C) [30 g/hr NOx] and section 35.B.4 of the incorporated "California Exhaust Emissions Standards and Test Procedures for 2004 and Subsequent Model Heavy-Duty Diesel Engines and Vehicles" (HDDE Test Procedures) adopted Dec. 12, 2002, as last amended Sep. 1, 2006, shall be provided with an approved "Certified Clean Idle" label that shall be affixed to the vehicle into which the engine is installed;
- 2. certified under 13 CCR 1956.8(a)(6)(D) [alternatives to main engine idling] shall have an engine shutdown system meeting the requirements in 13 CCR 1956.8(a)(6)(A). The auxiliary power system (APS) equipping each engine in this engine family shall meet the requirements in 13 CCR 2485(c)(3)(A) [internal combustion APS] and shall be provided with an approved "Verified Clean APS" label pursuant to 13 CCR 2485(c)(3)(D) [labeling] and section 35.B.4 of the incorporated HDDE Test Procedures. The "Verified Clean APS" label shall be affixed to the vehicle into which the engine is installed. See the Attachment for a description of the APS.

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BE IT FURTHER RESOLVED: The listed engine models have been certified to the split engine family standards under 13 CCR 1956.8(b) [diesel engines] or 13 CCR 1956.8(d) [Otto engines] and the incorporated 40 CFR 86.007-15(m)(9).

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels) and 13 CCR 2035 et seq. (emission control warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this ____ 2 /

_ day of December 2007.

Annette Hebert, Chief

Mobile Source Operations Division

ATTACHMENT

Engine Model Summary Template

Engine Family	Engine Family 1.Engine Code 2.Engine Model	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diese(only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuef Rate: (tɔs/hr)@peak torque	8.Fuel Rate: 9.Emission Control (bs/hr)@peak torque Device Per SAE J1930
8DDXH7.20DJC	_	OM926LA	350 @ 2200	178,4	132.1	860 @ 1400	169.7	80.0	ECM, TC, CAC
8DDXH7.20DJC		OM926LA	300 @ 2200	154.0	113.7	860 @ 1400	169.7	80.0	EGR, DOC,
8DDXH7.20DJC		OM926LA	280 @ 2200	143.7	106.1	800 @ 1400	155.3	73.0	DPF
8DDXH7.20DJC	N	OM926LA	260 @ 2200	133.4	98.5	800 @ 1400	155.3	73.0	(all ratings)
8DDXH7.20DJC	V	OM926LA	250 @ 2200	127.0	90.7	660 @ 1400	137.0	64.0	Ace and enterpression of the property of the p
8DDXH7,20DJC	N	OM926LA	230 @ 2200	115.0	84.0	660 @ 1400	137.0	64.0	Ho, 1993 Andrews (All Control of
8DDXH7.20DJC	IIN	OM926LA	230 @ 2200	115.0	84.0	620 @ 1400	129.0	58.0	AND PARTY OF WARRY CARRY CO. T. C.
8DDXH7.20DJC	MIA	OM926LA	210 @ 2200	108.0	75.5	620 @ 1400	129.0	58.0	CODE OF THE
8DDXH7.20DJC	×	OM926LA	210 @ 2200	108.0	75.5	520 @ 1400	108.0	49.0	te un desse de desse de desse de sente de sente de la companya de la companya de desse de desent de desse de de
8DDXH7.20DJC	×	OM926LA	190 @ 2200	97.0	70.0	520 @ 1400	108.0	49.0	